

SUPPLEMENTAL MATERIAL

Supplement Table 1. Distribution of socioeconomic variables assessed by hospital

Characteristics	N	Overall	Presbyterian (n=320)	Mercy (n=95)	p-value
Male	415	249 (60.0%)	197 (61.6%)	52 (54.7%)	0.23
Age, mean (SD)	415	50 (12)	50 (11)	48 (13)	0.25
Weight in kg, mean ± (SD)	396	90 (30)	88 (28)	96 (36)	0.03
BMI in kg/m², mean (SD)	319	30 (10)	29 (8)	33 (15)	0.01
VF/VT as first rhythm	407	134 (32.3%)	107 (33.4%)	27 (31%)	0.38
Hypertension	415	211 (50.9%)	158 (49.4%)	53 (55.8%)	0.27
Hyperlipidemia	415	119 (28.7%)	90 (28.1%)	29 (30.5%)	0.65
CAD	415	82 (19.8%)	59 (18.4%)	23 (24.2%)	0.22
Diabetes	415	115 (27.7%)	85 (26.6%)	30 (31.6%)	0.34
Stroke	415	23 (5.5%)	17 (5.6%)	6 (6.3%)	0.80
Induced hypothermia	415	229 (55.2%)	184 (57.5%)	45 (47.4%)	0.10
Coronary angiography	415	84 (20.2%)	76 (23.8%)	8 (8.4%)	0.001
CPC 1/2	415	77 (18.6%)	60 (18.8%)	17 (17.9%)	0.85
Nonwhite race	359	54 (15.0%)	34 (12.9%)	20 (21.1%)	0.06
History of drug abuse	415	87 (21%)	68 (21.3%)	19 (20.0%)	0.79
Urine drug test positive	415	81 (18.8%)	59 (18.4%)	22 (23.2%)	0.31
Unmarried	366	230 (55.4%)	167 (59.9%)	63 (72.4%)	0.03
No insurance	415	51 (12.3%)	31 (9.7%)	20 (21.1%)	0.007
Medicare/Medicaid	415	134 (32.3%)	112 (35.0%)	22 (23.2%)	0.03
Unemployment/disabled	310	232 (55.7%)	167 (74.9%)	65 (74.7%)	0.98
No existing next of kin	415	27 (6.5%)	18 (5.6%)	10 (10.5%)	0.09
No religious denomination	415	85 (20.5%)	56 (17.5%)	29 (30.5%)	0.009
Poverty >16%	315	134 (42.5%)	95 (29.7%)	39 (41.1%)	0.06

Poverty <10%	315	75 (23.8%)	145 (45.3%)	36 (37.9%)	0.122
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Abbreviations: VF/VT: ventricular fibrillation / ventricular tachycardia; CAD: cardiovascular disease

Supplement Table 2. Injury Severity and Favorable CPC overall, by center stratified and by injury severity (when available)

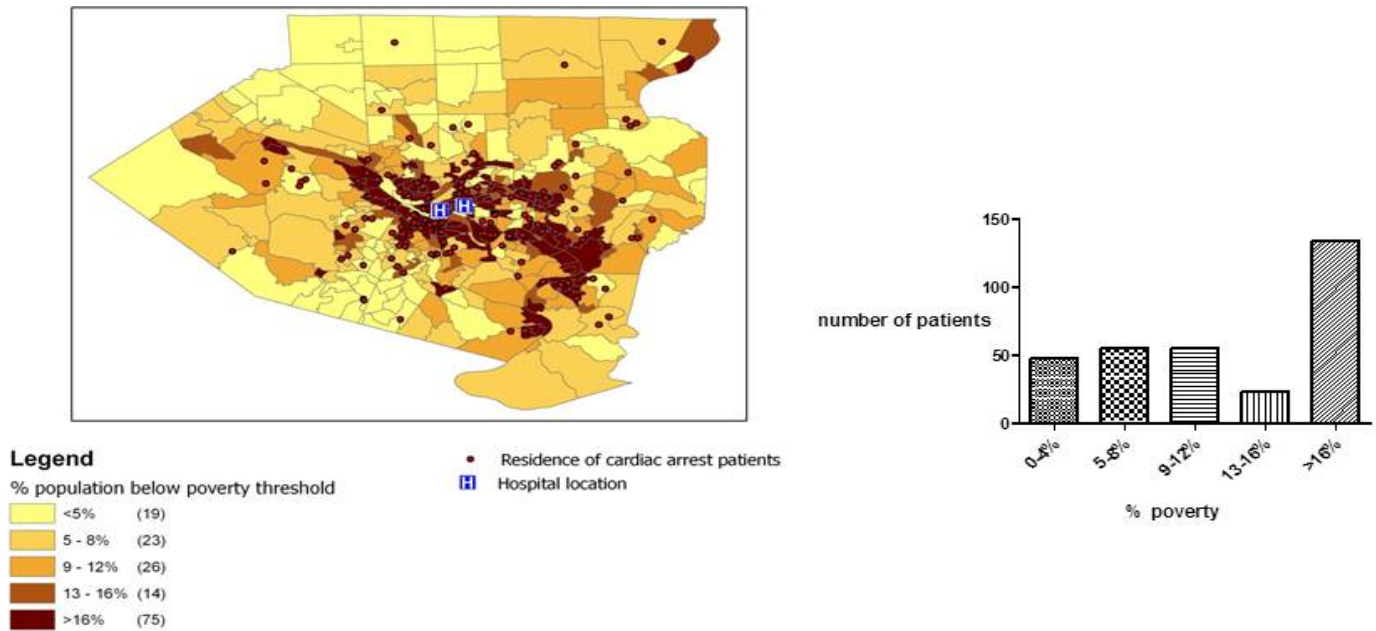
Injury Severity	Overall (n=341)	Mercy (n=70)	Presbyterian (n=271)	p-value
PCAC I	89 (26.1%)	13/25 (52.0%)	32/64 (50.0%)	1.0
PCAC II	64 (18.8%)	2/10 (20.0%)	15/54 (27.8%)	1.0
PCAC III	37 (10.9%)	1/11 (9.1%)	6/26 (23.1%)	0.65
PCAC IV	151 (44.3%)	1/24 (4.2%)	3/127 (2.4%)	0.50
CPC	415	95	320	
Favorable	77 (18.6%)	17/95 (17.9%)	60/320 (18.8%)	1.0
Unfavorable	338 (81.4%)	78/95 (82.1%)	260/320(81.3%)	1.0

Supplement Table 3. Independent association between cardiac arrest and socioeconomic factors in IHCA and OHCA

Cardiac arrest factor (dependent variable)	Socioeconomic factor	IHCA		OHCA	
		OR (95% CI)	P value	OR (95% CI)	P value
VF/VT	Unemployment	0.51 (0.21-1.28)	0.15	0.21 (0.10-0.42)	<0.001
	Smoking	1.75 (0.85-3.71)	0.13	1.68 (0.99-2.83)	0.05
Non-cardiac etiology	Urine drug screening	2.76 (0.74- 10.33)	0.13	9.58 (4.44-20.68)	<0.001
	Unemployment	1.09 (0.47-2.53)	0.84	7.58 (3.43-16.74)	<0.001
	Smoking	0.53 (0.27-1.04)	0.007	0.66 (0.39-1.11)	0.12
	Hypertension	0.55 (0.28-1.08)	0.08	0.22 (0.13-0.38)	<0.001
	CAD	0.40 (0.19-0.85)	0.02	0.18 (0.09-0.42)	<0.001

Abbreviations: IHCA: in hospital cardiac arrest; OHCA: out of hospital cardiac arrest; CAD: coronary artery disease;

Supplement Figure 1.



Legend: Geocoding of cardiac arrest with poverty index overlay and quantification **A)**

A representative plot of the 157 patients geocoded in Allegheny County is presented with overlaid colors which report the proportion of residents in that census tract living under the poverty limit. **B)** From 315 patients geocoded within our total cohort we present the distribution based on poverty band within the census tract.